Sri Lanka Institute of Information Technology
Information Technology Project
Year2, Semester 2 - 2023

Project Charter

Title of the Project:	E – Channeling Management System
Campus & Batch:	Malabe - Weekday 06.02 Group No: G10
Development Technology:	MERN Stack Technology

Description of the Project:

E – Channeling Management System enables you to channel doctors / consultants, make appointments for lab tests and order medicine. Also, users can simply make their payments through the online payment portal to make reservations. Registered patients can track their health records and lab tests results throughout their profiles. The admin panel can manage all the user-related activities when needed. The integrated inventory system updates in real time so that anyone who has logged in to the system can view medical resources, orders, and storing. Also, users can simply connect with their consultants or doctors. And it is possible to generate relevant reports which would be helpful for users to make important decisions more precisely.

Details of the Group Members: *(Provide the details of the group leader in the first row)*

	Name with Initials	Registration Number	Contact Phone Number	Email
1.	WANSHATHILAKA M.A.T.M	IT21169212	0711348175	it21169212@my.sliit.lk
2.	MADHUWANTHA U.N.H	IT21168390	0714601823	it21168390@my.sliit.lk
3.	SARANGA G.K.G	IT21168222	0718535570	it21168222@my.sliit.lk
4.	THATHSARA S.M.K	IT21219566	0776548285	it21219566@my.sliit.lk
5.	MUNASINGHE V. N	IT21168086	0718995589	it21168086@my.sliit.lk
6.	ARACHCHI M.J.E.M	IT21172700	0713382440	it21172700@my.sliit.lk
7.	PINSARA A.R.D	IT21158186	0769379809	it21158186@my.sliit.lk
8.	EKANAYAKA E.M.A	IT21186110	0777444703	it21186110@my.sliit.lk

List of Functions Developed by the Group Members:

	Name with Initials	Brief Description of the Function
1.	WANSHATHILAKA M.A.T.M	**User Management** Admin can manage all the user-related tasks. An authorized registered user can modify their user data after logging in to the system. Patients can manage their channeling and billings details more conveniently. They can see their reports, drugs, medical history, etc. Admin can add, delete, update, and manage Staff and Users into the system. Patients can register themselves into the system but staff members like doctors, pharmacists, receptionists, etc. must be registered/added by an admin.
2.	MADHUWANTHA U.N.H	**Medicine Delivery Management** The Medicine Delivery Management function enables users to order prescription medication online and have it delivered to their home or preferred location. It provides a convenient and accessible way for patients to receive the medication they need, without having to visit a pharmacy in person. Also, this function can be integrated with a pharmaceutical management system and a delivery partner to ensure that medication orders are processed correctly, inventory levels are maintained, and package is delivered successfully.
3.	SARANGA G.K.G	**Employee Management** Employee Management in E-channelling Management system involves the effective coordination of employees to ensure that the company's goals are achieved. This includes monitoring employee attendance and managing their salaries. Also, in a given period, it can generate the summary report. Monitoring and tracking employee performance. Traditional employee management systems often lack real-time data accessibility, making it difficult for managers to make informed decisions. This can result in delays and missed opportunities. This system helps to optimize the management of employees in an organized and very efficient manner.
4.	THATHSARA S.M.K	**Billing and Invoice Management** Billing and invoice management automates the process of creating, sending, and tracking invoices. It allows business to manage their billing and invoicing operations more efficiently, by streamlining the process of creating and sending invoices, tracking payments, and generating reports. Billing and invoice management can help the business to improve the efficiency of their bulling and invoicing process, increase customer satisfaction, and reduce the administrative burden of manual bulling tasks.

5.	MUNASINGHE V.N	**Compliance and & Feedback Management** Users need to log their account before raising the ticket. Compliance management in e-channeling systems refers to the set of practices and procedures used to ensure that the system complies with legal and regulatory requirements, industry standards, and best practices. E-channeling systems are electronic platforms that enable patients to book appointments with healthcare providers online. Compliance management in e-channeling systems is critical for several reasons. When complain received for the company our responsible team will take actions soon as possible.
6.	ARACHCHI M.J.E.M	**Sample Management** Sample management function in this system refers to the capability to handle and track the collection, storage, and testing of biological samples such as blood or urine. This function enables efficient and accurate handling of patient samples, reducing the risk of errors and facilitating the processing of test results for improved patient care. This function typically includes features such as sample collection tracking, sample storage and retrieval, and result reporting. The sample management function is integrated with the appointment scheduling and test ordering functions to provide a seamless experience for patients and healthcare providers.
7.	PINSARA A.R.D	**Appointment Management** Firstly, users must log in to the site as a registered user with user credentials. In the case of an un-registered user before all they must sign up to the site by giving required data for a user account. After login, user can see a dropdown button named "Appointments" in the navigation bar. From that dropdown, users can redirect to their appointment category pages such as 'Doctor Appointments' and 'Laboratory Appointments'. From each category, users can make appointments for their own cases. After the submission of an appointment, for the convenience, users can see their own appointments details as their view and site admin/owner can generate a report/list for all appointments by above mentioned categories. After users attend their appointments, the site will be updated for each case.
8.	EKANAYAKA E.M.A	**Inventory Management** Inventory management refers to the process of ordering, storing, and distributing medical resources and other assets. The inventory in charge can view and generate reports for each order, current storage and other components related to the inventory. In charge the manager should generate all the reports weekly and keep in update. This strategy ensures that company Keep enough stock on hand. Used medical equipment will be sent to the recycle process weekly and update new stocks in inventory.